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Products & Services UNE Dark Fiber

Unbundled Dark Fiber

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Unbundled Dark Fiber

Overview

Loop and sub-loop Dark Fibers are single-mode, point-to-point fibers spliced in all segments, including connectors at accessible points, that do not include any electronics or light sources provided by SBC. Unbundled Dark Fiber will allow CLECs to order and interconnect single-mode loop and sub-loop Dark Fibers at the following:

- Central Office
- Remote terminal (Controlled Environment Vaults (CEVs), huts, and cabinets)
- End User premise locations

SBC will offer loop Dark Fiber will be offered as an Unbundled Network Element (UNE) from serving Central Office to

End User premises in the following configurations:

- From serving Central Office to remote terminal (e.g. CEV, hut, cabinet)
- From remote terminal to remote terminal
- From remote terminal to End User premise

Interoffice Transport, Loop, and Sub-loop Dark Fiber are provided as Unbundled Network Elements (UNEs) in a point-to-point serving arrangements only, when all existing fibers are spliced in all segments and terminated in an SBC approved Fiber Distribution Panel, Lightguide Cross-Connect, or equivalent termination device.

Service Description

Dark Fiber is spare fiber that has not been activated through connection to the electronics that 'light it', and thereby rendering it capable of carrying communications services (FCC UNE Remand Paragraph 174).

If Lightguide cables physically appear at a remote terminal or End User prmise, even if not terminated on a fiber optic terminal, those fibers shall be inventoried as 'spare.' This assignment will occur so long as they are spliced in all segments, point to point, such that if activated through connection to electronics would provide continuity or 'light.'

The loop fiber segment can be a segment between the serving Central Office and a remote terminal or a serving Central Office directly to an End User premise. Interoffice Dark Fiber is a segment between two Central Offices. Spare fibers do not include maintenance spares, fibers set aside and documented for SBC's forecasted growth, defective fibers, nor fibers subscribed to by other carriers.

SBC will calculate maintenance spares by segment. No CLEC can obtain any more than 25% of the spare Dark Fiber contained in the segment. Before fibers are ordered, SBC must have an executed Interconnection Agreement with the CLEC providing for Dark Fiber.

Interoffice Dark Fiber

SBC will allow CLECs to order and interconnect single-mode interoffice Dark Fibers between originating and terminating SBC serving wire centers, which may include multiple interoffice segments if the fibers are spliced through in all segments and terminated in approved fiber cross connect or optical splitter hardware. All fiber terminating panels and splitters may be, but are not required to be, located in the same Fiber Distribution Frame (FDF).

CLECs will submit Dark Fiber facility inquiry, giving their specific point to point (A to Z) Dark Fiber requirements. If the Dark Fiber is available, CLECs may place Access Service Request (ASR) for ordering. In order to secure Dark Fiber, CLECs must place ASR request for available Dark Fiber. Dark Fiber will be assigned to CLECs when an ASR is processed. **Inquiry facility checks do not reserve Dark Fiber**. When submit a Dark Fiber inquiry, appropriate rates for the inquiry will be charged. The inquiry process only determines fiber availability at that time.

Loop Fiber

SBC will offer loop Dark Fiber as an Unbundled Network Element (UNE). Loop Dark

Fiber is a segment between the serving Central Office and a remote terminal/CEV/Hut, a serving Central Office and an End User premise, a remote terminal/CEV/Hut and an End User premise, or between two remote terminals/CEVs/Huts.

At Central Offices (COs) the Dark Fiber terminates on a fiber distribution frame, or its equivalent. CLECs' access is provided through the same arrangements as for other forms of Loop.

At remote terminals, CEVs, and Huts, CLECs' access to the Dark Fiber will be provided through the same arrangements as for other forms of Sub-Loop.

Spare Fiber Inventory Availability

All available spare Dark Fiber will be offered 'as is'-- without conditioning. Spare Dark Fiber is fiber that is spliced in all segments, point-to-point but not assigned. Spare fibers do not include maintenance spares, fibers set aside and documented for SBC's 12 month forecasted growth, defective fibers, or fibers subscribed to by other carriers. No CLEC can request any more than 25% of the spare Dark Fiber contained in the segment. Before fibers are ordered, SBC must have an executed Interconnection Agreement with the CLEC providing for Dark Fiber.

Limitations

Maintenance Spares

- Maintenance spare fibers are considered unavailable for assignment and are determined based on the number of fibers in a cable sheath as follows:

Cable Size/Maintenance Spares

Fiber Cable Size	No. of Maintenance Spares
24 Fiber and Less	2
36 & 48 Fiber	4
72 & 96 Fiber	8
144 Fiber	12
216 Fiber	18
288 Fiber	24
432 Fiber	36
864 Fiber	72

- Defective fibers will be subtracted from inventory of spare fibers.
- SBC growth fibers-Fibers documented as reserved by SBC for utilization for growth within 12 months of the carrier's request.

Revocations

Should CLECs not use the leased fiber strands within the 12-month period from date of lease, SBC reserves the right to regain those fiber facilities in SBC inventory. SBC reserves the right upon demonstration to revoke the lease of Dark Fiber facility after the 12-month interval if fiber is not being used.

SBC can also revoke CLECs' right to use the Dark Fiber upon twelve (12) months' written notice. To exercise this right of revocation, SBC must demonstrate that the Dark Fiber is needed to meet SBC's bandwidth requirements within the next 12 months.

Ordering Requirements

Revised: 5-22-01

Dark Fiber Inquiry Requirements

CLECs requesting Interoffice Transport must use the ASR form (Access Service Request), and they must submit an LSR form (Local Service Request) for requests for Loop and Sub-loop Dark Fibers. CLECs must order Dark Fibers in multiples of two in a point-to-point arrangement.

CLECs start the inquiry process by submitting to SBC an ASR for Interoffice inquiries and submitting an LSR for Loop and Sub-loop inquiries. For interoffice Dark Fiber requests, the CLEC will specify an originating Central Office location and a terminating Central Office location (A-Z) on the ASR. For loop Dark Fiber requests, the CLECs will specify an originating Central Office (A) and a terminating End User premise location (Z) on the LSR. For sub-loop requests, the CLECs will specify an originating Central Office or remote terminal location (A) and a terminating remote terminal or End User premise location (Z) on the LSR.

In order to request spare fiber information, the CLECs must issue an inquiry via an ASR/LSR.

CLEC inquiries will be billed one non-recurring charge per CLEC request (ASR/LSR), not per service order and not per strand. **The inquiry process does not reserve Dark Fiber.** In order to secure Dark Fiber, CLECs must place a firm order.

For Dark Fiber LSR examples, visit UNE LSR Examples in Forms and Exhibits. For Dark Fiber ASR examples, click the links below:

Dark Fiber Loop and Sub-loop	Dark Fiber Inter Office Inquiry	Dark Fiber Inter Offic Transport
ICASR	ICASR	ICASR
ICADM	ICADM	ICADM
ICEUS	ICSPE	ICSPE
ICEUA	ICSP2	ICSP2
ICSAL	ICTUF	ICTUF

Due Date Intervals for Dark Fiber Inquiries (per ASR):

Dark Fiber	1-10 ASRs/LSRs	11-20 ASRs/LSRs	21+ASRs/LSRs
Dark Fiber Inquiry per ASR/LSR	5 days	10 days	ICB

Intervals specified are business days and are applicable to loop, sub-loop and interoffice dark fiber. Each ASR should only address a single segment (A to Z), but may include multiple strands.

Note: Due Date Intervals for Firm Orders are 30 business days.

SBC will evaluate the requests based on existing plant location records and internal tracking systems. SBC's Local Service Center (LSC) will provide the results to the TC/CLEC including the approved number of fiber strands. Inquiry facility checks do not reserve Dark Fiber. Results from the inquiry process are a snap shot in time.

In order to request spare fiber information, the TC/CLEC must issue an inquiry via an Access Service Request (ASR). The critical **ASR fields** are as follows:

CCNA	Customer Carrier Name Abbreviation	XYZ
PON	Purchase Order Number	TC/CLEC Assigned
ICSC	Interexchange Customer Service Center	IL = LB02
		IN = NB01
		MI = MB01
		OH = OB01
		WI = WT33
REQTYP	Requisition Type and Status	1ST CHAR = S
		2ND CHAR = A
ACT	Activity	N = NEW
QTY	Quantity	Number of Strands being requested
BAN	Billing Account Number	NNN ANN-NNNN
ACTL	Access Customer Location	TC/CLEC CLLI Code
SPEC	Service and Product Enhancement Code	UNBDT for Interoffice
		UNBDFF for Loop
REMARKS	Remarks	CLEC Instructions
NC	Network Channel Code	LX--
NCI	Network Channel Interface Code	02FCF.X
SECNCI	Secondary Network Channel Interface Code	02FCF.X
SECLOC	Secondary Location	C followed by C.O. CLLI
		E followed by Address

Dark Fiber Ordering Requirements

The CLEC must issue a complete and accurate ASR/LSR requesting a firm order for Dark Fiber. CLECs requesting Interoffice Transport must use the Access Service Request form (ASR), and they must

submit an Local Service Request (LSR) for requests for Loop and Sub-loop Dark Fibers.

Revised: 3-27-01

Common Language Circuit ID (CLCI), Network Channel (NC), Network Channel Interface (NCI), and SPEC codes.

Interoffice & Loop Dark Fiber

CLCI	TXXU
NC	LX--
CO NCI	04QBF.LLX
CO NCI	04QBF.LLX
SPEC	UNBDT

Loop Dark Fiber

CLCI	TXXU
NC	LX--
CO NCI	02QBF.LLX
SECNCI	02FCF.X
SPEC	UNBDF

Sub-loop Dark Fiber (CO to RT)

CLCI	TXXU
NC	LX--
CO NCI	02QBF.LLX
RT NCI	02QEF.X
SPEC	UNBDFF

Sub-loop Dark Fiber (RT to RT)

CLCI	TXXU

NC	LX--
RT NCI	02QEF.X
RT NCI	02QEF.X
SPEC	UNBSBL

Sub-loop Dark Fiber (RT to NID)

CLCI	TXXU
NC	LX--
RT NCI	02QEF.X
NID NCI	02FCF.X
SPEC	UNBSBL

Order examples for Dark Fiber can be found in the Forms section under ASR order examples and LSR order examples.

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Dark Fiber USOC Codes

USOC	Description
UKCHX	UDT Cross-Connect
ULNCF	UDT per ft
ULNCH	UDT CO to CO per 1000 ft
ULYCX	UDT per strand
NR9D6	UDT Interoffice Inquiry
NRB54	UDT Installation charge, per fiber strand
XUHDX	Class of Service
UKCHK	Loop Cross-Connect
ULOWG	Loop per foot
ULOWH	Loop per 1000 ft
UL1WX	Loop per strand
NR9D7	Loop Inquiry charge
NRB52	Loop Installation charge-per fiber strand
XUHDX	Class of Service-Sub-loop
UKCTX	Sub-loop Cross-Connect

UL1YX	Sub-loop CO to CEV/Hut/RT, per strand
ULOYH	Sub-loop CO to RT, per 1000 ft
ULOOH	Sub-loop RT to EU/RT-RT, per 1000 ft
ULOYG	Sub-loop CO to CEV/Hut/RT, per foot
NR9DX	Sub-loop Inquiry charge
NRB53	Sub-loop Installation charge

Maintenance, Provisioning, and Repair

SBC/Ameritech's Central Local Operations Center (CLOC) in Milwaukee is a single point of contact for installations and maintenance functions for all SBC/Ameritech unbundled products. The CLOC phone number is 1 800-730-8815. Their hours of operation are 24X7.

Billing

Rate Structure

Billing for Dark Fiber will be in the Carrier Access Billing System (CABS).

The following identifies the Recurring and Non-recurring structure

Recurring:

UKCHK	LOOP Cross Connect
ULOWG	Loop per Foot
UL1WX	Loop per Termination
UKCJX	Interoffice Cross Connect
ULNCF	Interoffice per Foot
ULYCX	Interoffice per

Non-Recurring:

XXXXX	Loop Inquiry
XXXXX	Interoffice Inquiry
SEPUC	Administration/Order

Rate Elements

Five rate elements are used to provide dark fiber for the CLEC;

1. Interoffice, per fiber strand per foot,
2. Loop & Sub-loop, per fiber strand per foot,
3. Cross-connect between virtually collocated RSM and interoffice fiber in a CO,
4. Cross-connect between virtually collocated RSM and feeder loop, sub-loop fiber in an RT.
5. Interoffice, Loop & Sub-loop, Inquiry